

Message Text

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NASA/SB-3/DLWINTER

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FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

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TAGS: TSPA, UR

SUBJECT:US-USSR SPACE AGREEMENT: SPACE BIOLOGY AND
MEDICINE: (04.05.02) K206 EXPERIMENT

FOR SCICOUN

1. PLEASE PASS THE FOLLOWING MESSAGE FROM WINTER TO
GUROVSKY WITH A COPY TO INTERCOSMOS. WHEN THE ANSWERS ARE

RECEIVED, NASA WOULD APPRECIATE EMBASSY CABLING INFORMAL
TRANSLATION.

2. JUNE 22, 1978 04.05.02

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DR. NIKOLAI N. GUROVSKY
CHAIRMAN OF THE SOVIET WORKING GROUP
ON SPACE BIOLOGY AND MEDICINE
CHIEF OF THE DEPARTMENT OF SPACE BIOLOGY
AND MEDICINE
THIRD MAIN ADMINISTRATION
USSR MINISTRY OF HEALTH

MOSCOW, USSR

DEAR DR. GUROVSKY:

IT WOULD BE HELPFUL IN THE CONDUCT OF THE GROUND-BASED PORTION OF THE JOINT US/USSR RADIATION DOSIMETRY EXPERIMENT K206, FLOWN ON COSMOS 936 TO HAVE ANSWERS TO THE FOLLOWING QUESTIONS. WE WOULD APPRECIATE YOUR FORWARDING THESE QUESTIONS TO THE SOVIET PRINCIPAL INVESTIGATOR, DR. E.E. KOVALEV. THE ANSWERS SHOULD BE TRANSMITTED TO THE U.S. VIA THE EMBASSY IN MOSCOW.

1. PLEASE IDENTIFY WHAT IS INSIDE THE SOVIET PACKAGES SENT TO US FOR EXPOSURE AT BERKELEY - EMULSION AND PLASTIC TYPES, SENSITIVITIES, MOUNTING CHARACTERISTICS, AND NUMBER.
2. PREPARATIONS ARE UNDERWAY FOR ANOTHER EXPOSURE TO IRON-56 AT APPROXIMATELY THE SAME ENERGIES AS THE LAST EXPOSURE. WERE THE FIRST IRON-56 AND ARGON-40 EXPOSURES SATISFACTORY?
- - -
3. WHEN DO YOU EXPECT TO COMPLETE THE DEVELOPMENT OF THE NUCLEAR EMULSIONS AND PLASTICS EXPOSED AT BERKELEY TO IRON-56 AND ARGON-40 AND WHEN CAN WE EXPECT TO RECEIVE A PORTION FOR ANALYSIS?

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4. WHEN WILL THE GAMMA SCAN DATA FOR COSMOS 936 BE AVAILABLE?
- - -
5. WHAT IS THE ESTIMATED COMPLETION DATE FOR DATA ANALYSES OF THE EMULSION CHAMBERS EXPOSED AT BERKELEY TO CARBON-12 AND NEON-20 BEAMS AND DELIVERED TO YOU IN SEPTEMBER 1977?
6. DURING DISCUSSIONS BETWEEN DR. BENTON AND DR. KOVALEV IN AUGUST 1977, IT WAS SUGGESTED THAT, IN ADDITION TO A JOINT SUMMARY PUBLICATION AT THE END OF THE EXPERIMENT, OTHER JOINT PAPERS SHOULD BE PUBLISHED. TENTATIVE TITLES FOR THESE PAPERS WERE:
 - A) FLUENCE AND SPECTRA OF NEUTRONS FROM FISSION FOILS AND RECOIL PROTONS FROM EMULSION MEASUREMENTS
 - B) L.E.T. SPECTRA FOR NUCLEAR EMULSIONS AS OBTAINED FROM DIFFERENT METHODS
 - C) L.E.T. SPECTRA AS MEASURED WITH PLASTIC DETECTORS

D) EVALUATION OF PASSAGE OF COSMIC RADIATION THROUGH
SHIELDING MATERIAL BASED ON K206 DATA, INCLUDING GAMMA
SCAN DATA

IS THERE STILL INTEREST IN JOINT PUBLICATION OF THE ABOVE-LISTED PAPERS?

7. IS THERE STILL INTEREST IN JOINT PUBLICATION OF PAPERS
DEALING WITH NUCLEUS-TO NUCLEUS INTERACTIONS AS MEASURED
IN EMULSION CHAMBERS?

BEST REGARDS,

DAVID L. WINTER, M.D.
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NASA DIRECTOR OF LIFE SCIENCES

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INTERCOSMOS

VANCE

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